Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
Data File : BF139733.D
Acq On : 09 Oct 2024 20:23
Operator : RC/JU
Sample : P4359-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILMS

Quant Time: Oct 10 01:12:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	84821	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	310158	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	157085	20.000	ng		0.00
64) Phenanthrene-d10	11.392	188	237797	20.000	ng		0.00
76) Chrysene-d12	14.033	240	173226	20.000	ng		0.00
86) Perylene-d12	15.509	264	149626	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	562278	114.897	ng		0.01
7) Phenol-d6	6.504	99	743025	112.903	ng		0.00
23) Nitrobenzene-d5	7.434	82	479601	78.290	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	139244	91.825	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	840375	82.129	ng		0.00
79) Terphenyl-d14	12.974	244	659926	62.509	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	94334	44.586	ng		99
3) Pyridine	3.440	79	233868	45.449	ng		99
4) n-Nitrosodimethylamine	3.398	42	156169	46.366	ng		96
6) Aniline	6.534	93	150920	25.843	ng	#	76
8) 2-Chlorophenol	6.657	128	255524	48.735	ng		97
9) Benzaldehyde	6.416	77	77644	22.272	ng		99
10) Phenol	6.522	94	327594	47.340	ng		98
11) bis(2-Chloroethyl)ether	6.604	93	251726	44.677	ng		99
12) 1,3-Dichlorobenzene	6.810	146	269000	45.606	ng		98
13) 1,4-Dichlorobenzene	6.886	146	270711	45.316	ng		99
14) 1,2-Dichlorobenzene	7.039	146	257326	45.961	ng		99
15) Benzyl Alcohol	7.010	79	235641	46.862	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	450503	46.186	ng		83
17) 2-Methylphenol	7.128	107	200908	45.900	ng		97
18) Hexachloroethane	7.381	117	86990	39.040	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	191033	45.150	ng		98
20) 3+4-Methylphenols	7.281	107	257750	46.882	ng		97
22) Acetophenone	7.275	105	345163	46.883	ng		96
24) Nitrobenzene	7.451	77	287300	45.291	ng		99
25) Isophorone	7.692	82	504375	46.356	ng		100
26) 2-Nitrophenol	7.769	139	129972	47.661	ng		98
27) 2,4-Dimethylphenol	7.804	122	194203	58.173	ng		98
28) bis(2-Chloroethoxy)met...	7.898	93	301508	46.406	ng		100
29) 2,4-Dichlorophenol	8.010	162	205406	47.172	ng		100
30) 1,2,4-Trichlorobenzene	8.092	180	219583	44.590	ng		99
31) Naphthalene	8.175	128	734016	46.287	ng		99
32) Benzoic acid	7.928	122	118538	35.709	ng		98
33) 4-Chloroaniline	8.228	127	42827	7.978	ng		98
34) Hexachlorobutadiene	8.286	225	142640	44.760	ng		99
35) Caprolactam	8.592	113	66168	46.329	ng		98
36) 4-Chloro-3-methylphenol	8.710	107	218444	44.316	ng		100
37) 2-Methylnaphthalene	8.863	142	468510	45.362	ng		100
38) 1-Methylnaphthalene	8.963	142	433293	42.919	ng		99
40) 1,2,4,5-Tetrachloroben...	9.028	216	216904	49.725	ng		99
41) Hexachlorocyclopentadiene	9.010	237	32699	24.448	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	143455	48.785	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	146104	46.073	ng	99
46) 1,1'-Biphenyl	9.328	154	568329	48.644	ng	100
47) 2-Chloronaphthalene	9.351	162	413641	47.226	ng	100
48) 2-Nitroaniline	9.451	65	151539	48.197	ng	98
49) Acenaphthylene	9.769	152	668406	50.180	ng	100
50) Dimethylphthalate	9.627	163	505860	49.194	ng	100
51) 2,6-Dinitrotoluene	9.692	165	102201	43.998	ng	95
52) Acenaphthene	9.939	154	409183	44.747	ng	99
53) 3-Nitroaniline	9.863	138	68273	28.761	ng	93
54) 2,4-Dinitrophenol	9.969	184	27448	21.969	ng	97
55) Dibenzofuran	10.110	168	583109	45.544	ng	100
56) 4-Nitrophenol	10.033	139	142509	78.725	ng	95
57) 2,4-Dinitrotoluene	10.098	165	125330	41.278	ng	97
58) Fluorene	10.457	166	440599	43.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	111173	43.405	ng	96
60) Diethylphthalate	10.322	149	491486	46.274	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	222995	43.710	ng	97
62) 4-Nitroaniline	10.475	138	84159	34.661	ng	97
63) Azobenzene	10.604	77	564496	52.849	ng	97
65) 4,6-Dinitro-2-methylph...	10.504	198	23561	17.543	ng	97
66) n-Nitrosodiphenylamine	10.563	169	386247	55.104	ng	100
67) 4-Bromophenyl-phenylether	10.933	248	123907	50.820	ng	97
68) Hexachlorobenzene	11.004	284	127712	47.205	ng	97
69) Atrazine	11.092	200	114951	61.123	ng	99
70) Pentachlorophenol	11.198	266	129637	80.471	ng	99
71) Phenanthrene	11.416	178	565296	50.417	ng	100
72) Anthracene	11.469	178	557456	50.256	ng	100
73) Carbazole	11.627	167	500773	47.005	ng	100
74) Di-n-butylphthalate	11.951	149	657679	50.766	ng	99
75) Fluoranthene	12.604	202	618580	50.469	ng	100
77) Benzidine	12.727	184	274629	89.880	ng	99
78) Pyrene	12.839	202	650874	42.010	ng	99
80) Butylbenzylphthalate	13.451	149	250384	45.181	ng	97
81) Benzo(a)anthracene	14.027	228	599087	52.602	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	160544	46.060	ng	98
83) Chrysene	14.063	228	527209	50.633	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	350066	50.588	ng	100
85) Di-n-octyl phthalate	14.621	149	602418	59.257	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	343045	38.953	ng	99
88) Benzo(b)fluoranthene	15.080	252	506928	52.398	ng	99
89) Benzo(k)fluoranthene	15.110	252	466947	56.899	ng	99
90) Benzo(a)pyrene	15.451	252	421115	55.204	ng	100
91) Dibenzo(a,h)anthracene	17.003	278	282212	38.636	ng	100
92) Benzo(g,h,i)perylene	17.439	276	251981	34.398	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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